



(4.3) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/100700 A1

- (51) International Patent Classification⁷: E02D 29/02
(21) International Application Number: PCT/US2005/008744
(22) International Filing Date: 15 March 2005 (15.03.2005)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/559,328 1 April 2004 (01.04.2004) US
60/562,720 15 April 2004 (15.04.2004) US
(71) Applicant (for all designated States except US): WEST-BLOCK SYSTEMS, INC. [US/US]; 1690 Edgewater Drive, P.O. Box 5348, Salem OR 97304 (US).
(72) Inventors; and
(75) Inventors/Applicants (for US only): HAMMER, James [US/US]; 1037 Broadview Drive, Fircrest, WA 98466 (US). SIMAC, Michael [US/US]; 100 Maryflower Ct., Cramerton, NC 28032 (US).
(74) Agent: HAENDLER, Jeffrey, B.; Klarquist, Sparkman, LLP, One World Trade Center, Suite 1600, 121 SW Salmon Street, Portland, OR 97204 (US).

- (81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

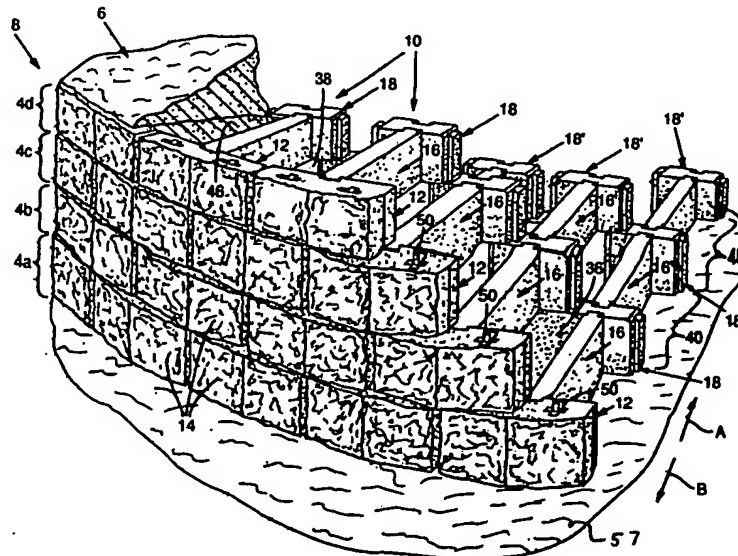
- *of inventorship (Rule 4.17(iv)) for US only*

Published:

- with international search report

[Continued on next page]

- (54) Title: REINFORCED RETAINING WALL AND METHOD OF CONSTRUCTION**



- (57) Abstract:** The present disclosure concerns methods for constructing a dry-stacked retaining wall that is reinforced to increase the sliding resistance of the wall. In particular embodiments, a concrete footing or base is formed in trench below the lowermost course of retaining wall blocks and extends upwardly into voids in the lowermost course of the wall. The voids can be, for example, chambers or openings defined between adjacent blocks or vertically extending cores formed in the blocks.

